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(54) **Phase change optical information recording medium, information recording method and apparatus therefor, and information erasing method therefor**

(57) A phase change optical information recording medium including: a substrate; and a recording layer which is located overlying the substrate and in which marks are to be formed to store information, wherein the substrate includes plural sessions including a first session in which pits are formed and which includes a RAM

region including a groove and a wobble signal, and a program memory area in which pits are formed and which includes position information of the first session and does not include disc ID information of the phase change optical information recording medium.

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EUROPEAN SEARCH REPORT

Application Number
EP 02 02 1453

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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 19 March 2003	Examiner Benfield, A
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document		T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons ----- &: member of the same patent family, corresponding document	

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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

- ☒ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- ☐ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

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**LACK OF UNITY OF INVENTION
SHEET B**

Application Number
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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims: 1-6

Phase change RAM-ROM disk, structure and composition of the recording layer

2. Claims: 7-14

Write-protect method and apparatus for a RAM-ROM disk

3. Claims: 15-20

Erase power calibration method and method of erasure for a phase-change optical disk.

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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